MOSS-2 Plans and Status

- Dry run scheduled for 7/29/99
- Formal test schedule for 8/3/99 to 8/5/99
- Items to complete:
  - identify evaluation criteria
  - develop test plan
  - coordinate among all participants
  - procure (identify) test data, test tools
  - conduct test readiness review
  - prepare system

MODIS Sample Product Inserts at the EDAAC

- Received one new MOD09GQK granule from MODAPS in late June.
- Test insert resulted in warning for tile id attribute (TILEID in .met file)
- Attribute value changed by DAAC to TileID in .met file
- File inserted without errors or warnings
- Awaiting more sample products for test insert

MODIS Land Valids for EDG Searches

- Valids currently in Lyta server residing at GDAAC
  (http://lyta.gsfc.nasa.gov/~imswww/ts1/imswelcome/)
  - MODIS Land Surface Temperature and Emissivity V001
  - MODIS Level-2G 500-M Pointer File V001
  - MODIS Level-2G Geolocation Angles, Day Mode V001
  - MODIS Level-2G, l-KM Pointer File V001
  - MODIS Level-2G, 250-M Surface Reflectances V001

Quality Assessment Support at the EDAAC

- Interface to support QA to be checked as part of Interface Confidence Test between EDAAC and SCF(s)
- Second dry run scheduled 7/27/1999
- QA support requirements:
  - All SCFs responsible for given ESDTs archived at EDC will want to perform QA on those data products.
  - SCFs will obtain data in one of the following ways:
    - via subscription push entered for them at the DAAC (this is functionally very limited...no qualifications outside of date and time, manually intensive process at the DAAC
    - via EOS Data Gateway (EDG). formerly known as the VO Web Client and consequent ftp pull or 8mm tape delivery
  - SCFs performing QA will provide QA flag input to MODIS LDOPE SCF for inclusion in the LDOPE QA database.
  - LDOPE will also want to perform QA on ESDTs archived at EDC.
  - LDOPE will obtain data in the same manner as that utilized by SCFs
  - LDQPE will provide QA flag input to EDC based on LDOPE QA database inputs from other MODIS SCFs.
  - EDC will update appropriate QA flags in the metadata using GDAAC provided update tool and provide update confirmation to the LDOPE SCF.
- 7/12/99 Notified of the availability of the Database QA Updater Tool version 1 .O from the GSFC DAAC

MOSS-2 Test Status and Plans

Tan Aslam

July 13, 1999

MOSS-2 Test Schedule / Status

MODAPS / MOSS-2 Test Activity	Schedule Dates	Status	Remarks / Problems
• MODAPS Pre-Test	6/17 - 6/18; 6/24 – 6/25	√	+ Completed, See Day 226 Results from 6/24 run
• MOSS-2 Ingest/Dprep Dry Run	6/24 – 6/25	√	GDAAC onlv. MODAPS not included
• MOSS-2 Dry Run #1	6/29 – 6/30; 7/1 – 7/2	X	+ Data Flow through the ECS PDR was successful - Not all Day 226 data received, None processed - Day 226 retested on 7/8 – Not all data received; test on hold - Subscription problem corrected for the 7/8 Retest - No Day 227 Data received - Day 226 Data Start Time problem (Suspect data mix-up – Day 226 EDOS LO/MODIS LO 3-13 min. data gap at top - Day 224 Old / New format) (Day 226 data is within 1.47 sec or 1 scan time) - No L 1A Data to MODIS SDST: Subscription fixed
• AM- 1 Data Flow Test	7/08 – 7/9	√	+ GDAAC processed 18 hours of AM1 data received from EDOS + MCST received AM-l data and found no Problems in OA
• ACDIS-MODAPS DAO Data Flow Test	7/9	√	+ Received all expected DAO data sets at mtvs1
• MOSS-2 Dry Run #1 Restest	7/8 – 7/15		→ Retest with the right Day 226 data from GDAAC archive or the EDOS tapes.
• SIPS Deliverv Test with VATC	7/15		→ ECS Requested
• MOSS-l Langley Dry Run	7/15 – *71.16* (TBR)		N/a
• Full MOSS-2 Drv Run #2	7/21 – 7/22		→ All EDOS-GDAAC-MODAPS-DAACslSCF Data Flows
• Full MOSS-2 Formal Test	7/27 – 7/28		→ Formal Data Flow Test!

MODAPS MOSS-2 DRY RUN #1 and GDAAC Test Support Results (as of 7/12)

DATA_TYPE ShortName	Collection Description	Expected # of Granules /Data Sets	Data Sets	Data Set Quality (Part/Full)	1 Hour Data Set Received (Part/Full)					Granules/Files Ingested by MODAPS					
			Day	Counts	6/29	6/30	7/2	7/6	7/8	6/29	6/30	7/2	7/6	7/8	
MOD02QKM	MODIS Level 1 B Calibrated Radiances (250 m)	288	226	Full				1	0				12	0	
				Partial				13	12				75	36	
		288	227												
MOD02HKM	MODIS Level 1 B Calibrated Radiances (500 m)	288	226	Full				1	0				12	0	
				Partial				13	10				69	41	
		288	227												
MOD021KM	MODIS Level 1 B Calibrated Radiances (1000 m)	288	226	Full				0	0				0	0	
				Partial				13	10				79	38	
		288	227												
MOD03	MODIS Geolocation	288	226	Full				6	6				72	72	
			226	Partial				11	12				67	76	
		288	227												
MOD07_L2	MODIS Level 2 Joint Atmosphere Product of Profiles, Total Column Ozone, Water vapor, and Stability Indices	0	226												
		0	227												
MOD35_L2	MODIS Level 2 Cloud Mask and Spectral Test Results	0	226												
		0	227												
	Total:	2304		**Full**	**0**	**0**	**0**	**8**	6	0	0	0	96	72	
				Partial				50	44				290	191	

Tan Aslam
7/12/99

MOSS-2 Test Activities by Test Phases

	MOSS-2 Ingest/Dprep Dry Run 6/24 – 6/25	MOSS-2 Dry Run #1 6/29 – 6/30	GSFC/LDAAC Dry Run 7/15 – 7/16 (TBR)	Full MOSS-2 Dry Run#2 7/21 – 7/22	Full MOSS-2 Formal 7/27 – 7/28
EDOS	X			X	X
NOAA/FDF	X			X	X
GSFC DAAC	X			X	X
DPREP	X			X	X
Larry, DAO...	X	X		X	X
EDS to MCST	X				X
PGE Processing	e	X (PGE 1+2)		X (PGE3)	X
Subscription	X	X		X	X
QA MUT				X	X
V0 Search & Order				X	X
LDAAC			X	X	X
Subscription	X	X		X	X
PDR Server		X (Ingest only)		X	X
MODAPS		X		X	X
SCFs/LDOPE		X		X	X
EDACC				X	X
NDAAC				X	X

Issues and problems (as of 7/12)

√ ECS FTP Server - Resolve Access Problem

√ Upgrade Subscription with ECS PDR Server information

√ MODAPS Pre-test (6/27 - 6/28)

- Loader & problems?

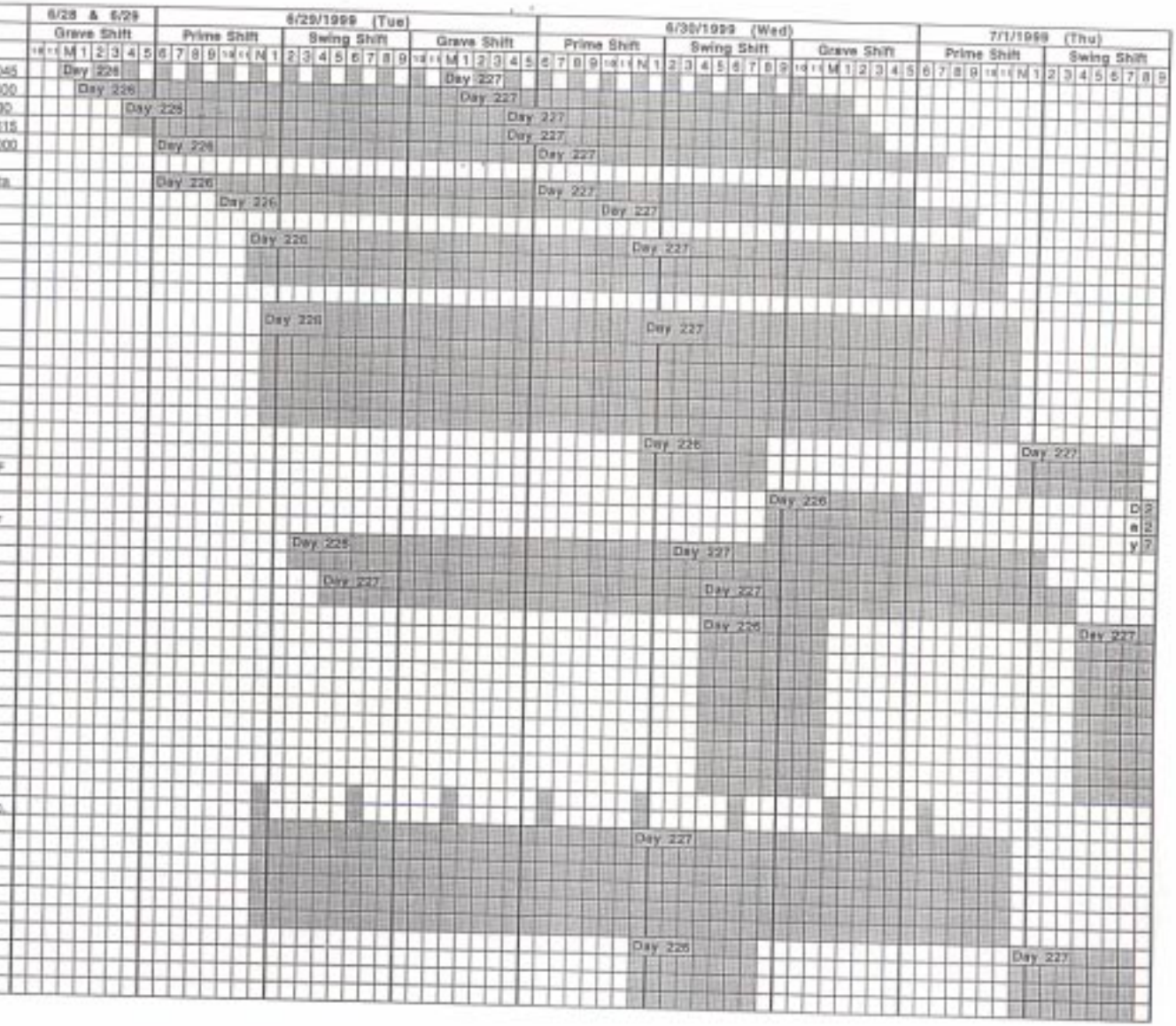
√ Test Data Flow Timeline (Have a timeline)

- EDOS Data processing and delivery problems (6/25 - 7/12):
  - 3 minute missing data at top of each granule
  - GDAAC O&A Dprep outputs carry 3 minutes gaps
    (Not true for day 226; Test data mix-up suspected)
  - Day 226 data mix-up at GDAAC (From MODIS or EDOS?)
  - Day 224 from EDOS to GDAAC in old format (>3 min. gaps at top?)
- Workarounds for L1 + delivery problems:
  - How long to wait for data ingest from GDAAC?
  - Missing full day data (Process data from local storage?)
  - Missing granules?
- L1A data delivery to MODIS SDST (Subscription fixed at GDAAC)

MODAPS Production Plan for MOSS-2 Dry Run
(6/29 - 6/30)

June 27, 1999

Recipe	PGE	Level	PROCESS	DESCRIPTION
EDOS		L0	L2PF/RLSS	Tape P/R 0000 - 0045
		L0	APID 0004/0064	Prod Data Proc 0050 - 0400
GDAAC		L0	Ingest /Archive	APIDs Archive 0400 - 0430
		L1	Dprep	2 hr. Blk Dprep 0430 - 0615
	PGE01/2	L1	PGEs 01 / PGE02	L1 PGEs 0615 - 1000
SIPS Ingest		Anc	ANC_Ingest	Ingest Ancillary/Dprep Data
		L1+	L1+Ingest	L1+ Data
MD1	3	2	MOD_PR07	Atmospheric Profiles
			MPD_PR35	Cloud Mask
			MPOD_PRVOLC	Volcano Alert
MDA1	4	2	MOD_PR04_O5	Aerosol-Land and Sea Precipitable Water
	6	2		
			MOD_PR06C	Cloud - Create HDF
			MOD_PR06CD	Cloud - Cirrus Detection
			MOD_PR06CT	Cloud- Cloud Top Prop.
			MOD_PR06OD	Cloud - Optical Depth
MDA2	69	3		
			MOD_PR08T	L3 Atmosphere - Zonal
			MOD_PR08TC	L3 Atm. - Zone, Create HDF
MDA3	56	3		
			MOD_PR08D	L3 Atmosphere - Daily
			MOD_PR08DC	L3 Atmos.-Day, Create HDF
MDL1	7	2	MOD_PR10	L2 Snow
	8		MOD_PR29	L2 Sea Ice
MDL3	11	2	MOD_PR09	L2 Surface Reflectance
	5		MOD_PR04L	Interim Daily Atmosphere
MDL4	16	2	MOD_PR11	L2/L3 LST
MDL5	12	2o		
			MOD_PRMGPNTR	L2G Pointers
			MOD_PRMGR	L2G Geosngles
	13	2o	MOD_PRMGR	L2G Surface Reflectance
	14		MOD_PRMGR	L2G Snow
	15		MOD_PRMGR	L2G Sea Ice
	22	3	MOD_PRAGG	L3 Aggregation
	33		MOD_PR15A1	LAI/FPAR daily
	43	3	MOD_PR29A1	Sea Ice - daily
SCHEDULED	17	2	MOD_PRNMC	Oceans Ancil. Met. Preproc.
	19		MOD_PROZN	Oceans Ancil Ozone Preproc.
MDO1	9	2		
			MOD_PR18_L2	Ocean Color
			msbin	Space binner
	10	2		
			MOD_PR28_L2	Sea Surface Temperature
			msbin	Space binner
MDO2	20	3		
			MOD_mtbin	Time binner
			MOD_mspc	L3 Oceans Interim daily
			MOD_mmap	L3 Oceans Interim daily



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